

E1797-97 Standard Specification for Reinforced Liquid Coating Encapsulation Products for Leaded Paint in Buildings

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1. Scope

1.1 This specification covers minimum material performance requirements and laboratory test procedures for reinforced liquid coating encapsulation products (single- or multiple-coat systems) for leaded paint in buildings. The test methods and practices included are listed in Table 1. Specifications for non-reinforced liquid coating encapsulation products are provided in Specification E1795.

1.2 This specification does not address the selection of an encapsulation product for specific use conditions. Specific use conditions may require performance values other than those stated in this specification. See Specification E1796 for guidance.

1.3 Encapsulation products for use on industrial steel structures are not covered in this specification. Industrial steel structures include, but are not limited to, bridges, water towers, and tanks.

1.4 This specification does not cover the use of encapsulation products intended for use on residential exterior coated metal surfaces, since no corrosion control requirements are included. However, this specification does not preclude the use of encapsulation as an abatement technology on residential exterior metal coated surfaces.

1.5 This specification applies to any liquid-applied product incorporating reinforcement materials as part of the system. Reinforcement materials are continuous fabric or mesh and are applied in the field. These materials are typically applied between a base and top coat. These products are used to encapsulate a leaded painted surface with the intent of reducing human exposure to lead in paint.

1.6 Reinforced liquid coating encapsulation products rely primarily on adhesion and not on mechanical fasteners. Mechanical fasteners shall not be used in testing these products for performance in accordance with this specification.

1.7 Except for scrub resistance testing, which is performed on the top coat only, the laboratory testing specified in this specification shall be performed on the entire encapsulation product system, whether single or multiple coat, as applied in the field. An encapsulation product shall be comprised of all principal components in the system, including the base and top coats, the reinforcement material, and primer, if specified, for field application. Except for dry abrasion and adhesion testing, where specialty primers may be used for flash rust resistance, primers shall not be used solely for product performance testing in accordance with this specification.

1.8 The results of the test methods included in this specification will not necessarily predict field performance.

1.9 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.10 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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